

DTIC  
ELECTE  
NOV 10 1993

A

Department of Defense  
**DIRECTIVE**

**AD-A272 651**



February 13, 1989  
NUMBER 6050.9

USD(A)

2

SUBJECT: Chlorofluorocarbons (CFCs) and Halons

References: (a) Montreal Protocol on Substances that Deplete the Ozone Layer<sup>1</sup>  
(b) Protection of Stratospheric Ozone: U.S. Environmental Protection Agency (USEPA) Final Rule (Federal Register, Volume 53, page 30566, August 12, 1988)

A. PURPOSE

This Directive establishes policy and assigns responsibilities for:

1. The management of CFCs and halons in the Department of Defense.
2. The identification of CFC and halon applications and prioritization of their uses.
3. The long-term process of decreasing DoD dependence on CFCs and halons because of reduced availability in future years due to recently promulgated international and domestic production limits (references (a) and (b)).
4. Research and development (R&D) programs to develop or evaluate suitable substitutes for halons and other mission-critical CFC applications.
5. A tracking system to document DoD's annual requirements for CFCs and halons.

B. APPLICABILITY AND SCOPE

This Directive applies to:

1. The Office of the Secretary of Defense (OSD), the Military Departments (including their National Guard and Reserve components), the Defense Agencies, and the DoD Field Activities (hereafter referred to collectively as "DoD Components").
2. The DoD R&D and Acquisition Program.
3. Appropriated and nonappropriated fund operations.

**93-27417**



4pr

<sup>1</sup>Text is available from the U.S. Department of State. This protocol has been accepted by the United States and entered into force on 1 January 1989.

This document has been approved  
for public release and sale; its  
distribution is unlimited

93 11 8 097

### C. DEFINITION

Chlorofluorocarbons and Halons. As of August 1988, these include CFC-11, CFC-12, CFC-113, CFC-114, CFC-115, Halon 1211, Halon 1301, and Halon 2402. The protocol (reference (a)) is subject to periodic review, and additional chemicals may be added to the list.

### D. POLICY

The DoD Components shall:

1. Establish procedures to eliminate the unnecessary release of these chemicals to the atmosphere.
2. Identify and prioritize CFC and halon uses and applications to ensure available supplies meet mission-critical needs.
3. Modify operational, training, and testing practices to minimize the emissions of CFCs and halons when appropriate.
4. Develop or adopt conservation practices such as recycling, reuse, dilution and substitution, when appropriate and consistent with mission requirements.
5. Adopt suitable substitutes when consistent with mission requirements.
6. Review and modify military specifications to permit use of new processes, techniques, or chemicals for requirements currently being met by CFCs and halons.
7. Conduct R&D to identify or develop alternate processes, chemicals, or techniques for functions currently being met by CFCs and halons.
8. Collect procurement data on an annual basis.
9. Establish a central point of contact to oversee implementation of all policies and programs required by this Directive.
10. Ensure the required amounts and types of CFCs and/or halons are available for mission-critical applications when substitutes are not yet available. This shall include emergency and mobilization requirements.

### E. RESPONSIBILITIES

1. The Assistant Secretary of Defense (Production and Logistics) (ASD(P&L)) shall provide policy and management oversight for reducing DoD's long-term dependence on CFCs and halons including issues related to military specifications and annual procurement and demand.
2. The Deputy Under Secretary of Defense (Research & Advanced Technology) (DUSD(R&AT)) shall coordinate R&D programs, as appropriate, on alternative chemicals or technologies for fire and explosion suppression and, if necessary, other CFCs.

Feb 13, 89  
6050.9

3. The Military Departments and Defense Agencies shall:

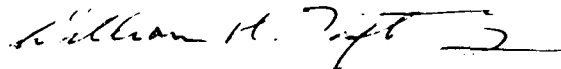
- a. Identify CFC and halon usages and prioritize with respect to mission-criticality.
- b. Establish review procedures to prevent or minimize use of CFCs and halons in existing and future systems.
- c. Implement conservation measures such as recycling, reuse, and modification of testing and training procedures when appropriate.
- d. Conduct R&D programs as needed to support mission requirements with emphasis on substitutes for halons.
- e. Modify requirements and military specifications to allow adoption of suitable substitutes for CFCs and halons in existing and future systems.
- f. Submit an annual report to ASD(P&L) containing:
  - (1) Aggregate procurement (by thousand pounds) of CFCs and halons for which they are the integrated item manager.
  - (2) Annual demand by Military Departments to include data on significant noncentralized CFC and halon procurements.
- g. Procure and store required amounts of CFCs and halons for mission-critical applications when substitutions are not yet available.

F. INFORMATION REQUIREMENTS

The annual procurement information required by section D., above, is assigned Report Control Symbol (RCS) DD-P&L(A) 1804. The DD Form 2530, Chlorofluorocarbons (CFCs) and Halon Annual Report (enclosure 1), is to be reproduced locally.

G. EFFECTIVE DATE AND IMPLEMENTATION

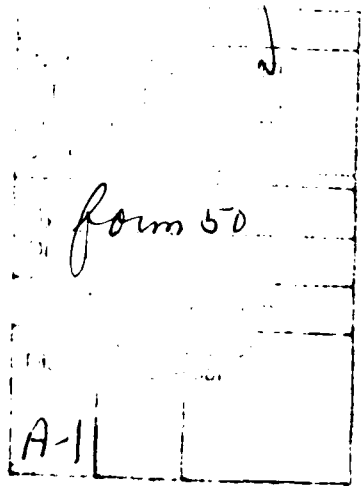
This Directive is effective immediately. Forward two copies of implementing documents to the Assistant Secretary of Defense (Production and Logistics) within 120 days.



William H. Taft, IV  
Deputy Secretary of Defense

Enclosure

Chlorofluorocarbons (CFCs) and Halon Annual Report (DD Form 2530)

CHLOROFLUOROCARBONS (CFCs) AND HALON ANNUAL REPORT FOR CALENDAR YEAR _____							REPORT CONTROL SYMBOL	
1. PROCUREMENT* (In thousands of pounds)			2. DEMAND** (In thousands of pounds)					
CHEMICAL	(1) Sum of Integrated Materie Manager Reporting	(2) Local Purchase by Component	(3) New System Acquisition	(1) Army	(2) Navy	(3) Air Force	(4) Marines	(5) Other (Specify)
a. CFC 11								
b. CFC 12								
c. CFC 113								
d. CFC 114								
e. CFC 115								
f. HALON 1200								
g. HALON 1300								
h. HALON 2402								
3. REMARKS								
<div style="text-align: center;">  <p>A-11</p> <p>form 50</p> <p>DTIC QUALITY INSPECTED 8</p> </div>								

NOTES

\* PROCUREMENT: Material purchased by component

\*\* DEMAND: Material requisitioned from procuring component to user or other military component

DD Form 2530, NOV 88

8-1/2